

LOREN J. HABEGGER

Associate Division Director
Environmental Science Division
Argonne National Laboratory

Educational Background:

Ph.D.	Purdue University, Nuclear Engineering, 1968
M.S.	Purdue University, Nuclear Engineering, 1965
B.S.	Purdue University, Engineering Sciences, 1964

Professional Experience:

1993-Present	Associate Division Director Environmental Science Division Argonne National Laboratory
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Technical responsibilities focus on providing leadership to the Division's international environmental science and technology program. In this role, since 2002 have served as principal investigator supporting the U.S. EPA in collaborative hazardous waste management studies in Russia. Serve as advisor to the health and safety risk program at Argonne focusing on development of methods for conducting and communicating risk assessment and risk management, scientific investigations providing basic data used in risk analysis, and the evaluation of risks as input to decision making.

Management responsibilities include providing leadership in the review and implementation of various division policies and procedures, including for human resources, quality assurance, and communications; assists the Division Director in the formulation of these policies and procedures. Acts for the Division Director during any absences.

Summary of Previous Experience:

1988-1993	Group Leader, Radiological and Risk Assessment Environmental Assessment and Information Sciences Division, Argonne National Laboratory
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Activities of this group focused on various environmental studies that were disciplinary in nature, but often integrated with broader environmental assessments of energy, industrial, and governmental facilities. As Group Leader, coordinated strategic planning and provided oversight to four sections specializing in radiological impacts, environmental risk assessment, atmospheric sciences, and environmental policy analysis.

1989-1990	ANL Asia and Pacific Program Coordination
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Assigned responsibility for coordinating the interaction of ANL Energy, Environmental and Biological Research programs with related energy and environmental activities in the Asia and Pacific regions. Interfaces with ANL research programs in this region were established with the East-West Center, University of Hawaii, and the Pacific International Center for High Technology Research. Assignment also involved direct participation in research activities and proposal

development with these institutions on topics related to industrial risk assessment, energy strategies in developing countries, and global climate change.

1981-1988 Manager, Physical Environmental Sciences Section; Environmental, Technology, and Resource Assessment Group, Energy and Environmental Systems Division, Argonne National Laboratory

This section was primarily involved in the evaluation of the effectiveness of alternative technologies in controlling impacts on air quality and water resources and reducing risk to human health and safety.

1973-1980 Staff Research Engineer, Integrated Assessments and Policy Evaluation Group, Energy and Environmental Systems Division, Argonne National Laboratory

Responsible for the program management and technical analysis for various studies of water availability, water quality, air quality, solid waste disposal, and health impacts of alternative energy technologies. Major studies included assessments of: health and environmental effects of increased coal use in a 14-state region of the central United States; national water pollution and air quality impacts from the proposed National Energy Plan; environmental impacts associated with non-conventional coal utilization in industry; environmental and socioeconomic impacts of high solar energy scenarios; air pollutant deposition on the Great Lakes; and comparative health and safety impacts of alternative electrical generation systems.

1979 Visiting Scientist, International Institute for Applied Systems Analysis

Assigned to staff of the International Institute for Applied Systems Analysis in Vienna for four months in 1979 to assist in the development of an international collaborative program to investigate policies for integrating coal and environmental planning in world regions.

1968-1972 Staff Research Engineer, Reactor Analysis and Safety Division, Argonne National Laboratory

Responsible for analytical studies in various programs concerned with the development of energy systems, including a lead role in system analysis of nuclear power plant controls.

Research Interests:

International environmental technology transfer
Risk-based decision making applied to technology development
Simulation of contaminant transport and fate in the environment

Publications:

Author or co-author of 80+ journal, book, report, and conference publications and presentations.